## **VERSION WITH MARKINGS TO SHOW CHANGES MADE**

## IN THE CLAIMS:

- 1. (Previously Amended) A process for reclaiming fibers from a resinous fibrous product comprising the steps of:
- (a) selecting an acid for use in an acid bath solution as a function of a type of a resinous residue found on the resinous fibrous product;
- (b) inserting the resinous fibrous product into a washer/extractor machine, wherein said resinous fibrous product comprises a form including a strand form and a mat form;
- (c) while said resinous fibrous product is in said machine, performing the steps of:
  - (i) introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove said resinous residue from a fiber portion of the resinous fibrous product;
  - (ii) removing said acid bath solution and said resinous residue from said washer/extractor machine;
  - (iii) rinsing said fiber portion to remove any residual acid bath solution and resinous residue;
  - (d) removing said fiber portion from said washer/extractor machine; and
  - (e) dewatering said fiber portion.
  - 2. (Original) The process of claim 1 further comprising the step of:
- (iv) applying a sizing composition to said fiber portion prior to the step of (d) removing said fiber portion from said washer/extractor machine.
- 3. (Original) The process of claim 1 further comprising the step of forming a fiberglass mat from said fiber portion after the step of dewatering said fiber portion.
- 4. (Original) The process of claim 1, wherein the step of (b) inserting the resinous fibrous product within a washer/extractor machine comprises the step of (b) inserting the resinous fibrous product within a single chamber washer/extractor machine.

- 5. (Original) The process of claim 1, wherein the step of (b) inserting the resinous fibrous product within a washer/extractor machine comprises the step of (b) inserting the resinous fibrous product within an electronically controlled single chamber washer/extractor machine
- 6. (Original) The process of claim 1, wherein the step of (b) inserting the resinous fibrous product within a washer/extractor machine comprises the step of (b) inserting the resinous fibrous product within a multi-chamber washer/extractor machine.
- 7. (Original) The process of claim 1, wherein the step of (b) inserting the resinous fibrous product within a washer/extractor machine comprises the step of (b) inserting the resinous fibrous product within an electronically controlled multi-chamber washer/extractor machine.
- 8. (Original) The method of claim 1, further comprising the step of (f) drying said fiber portion in an oven.
- 9. (Original) The method of claim 1, wherein the acid bath solution comprises said acid and a quantity of water in a ratio of between ten and fifty percent acid to water by volume.
- 10. (Original) The method of claim 1, wherein said resinous fibrous product comprises glass fibers.
  - 11. (Original) The method of claim 1, further comprising the steps of: forming a slurry comprising said fibers and a binder; and forming a wet-process mat from said slurry.
- 12. (Previously Amended) The method of claim 11, wherein the step of forming said slurry comprises the step of forming a slurry within said washer/extractor machine, said slurry comprising said fibers and a binder.

13. (Currently Amended) A method for recovering a resinous residue from a resinous fibrous product [that may be] <u>capable of being</u> further processed into a usable nitrogen product comprising the steps of:

selecting an acid for use in an acid bath solution as a function of a type of the resinous residue found on the resinous fibrous product;

inserting the resinous fibrous product within a washer/extractor machine, wherein the resinous fibrous product is in the form of a plurality of strands or in the form of a mat;

introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove the resinous residue from a fibrous portion of the resinous fibrous product;

removing said acid bath solution and the resinous residue from said washer/extractor machine;

introducing said acid bath solution and the resinous residue into a cooling line to precipitate the resinous residue; and

removing the precipitated resinous residue from said acid bath solution using a clarifier.

- 14. (Original) The process of claim 13, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within a single chamber washer/extractor machine.
- 15. (Original) The process of claim 13, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within an electronically controlled single chamber washer/extractor machine.
- 16. (Original) The process of claim 13, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within a multi-chamber washer/extractor machine.

- 17. (Original) The process of claim 13, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within an electronically-controlled multi-chamber washer/extractor machine.
- 18. (Previously Amended) A method for reclaiming fibrous and a resinous residue from a resinous fibrous product in the form of a strand or a mat comprising the steps of:

selecting an acid for use in an acid bath solution as a function of a type of the resinous residue found on the resinous fibrous product;

inserting the resinous fibrous product within a washer/extractor machine; introducing said resinous fibrous product to said acid bath solution heated to approximately 200 degrees Fahrenheit for a period of time sufficient to substantially remove the resinous residue from a fibrous portion of the resinous fibrous product;

removing said acid bath solution and said resinous residue from said washer/extractor machine;

rinsing said fibrous portion to remove any residual acid bath solution and resinous residue;

removing said fibrous portion from said washer/extractor machine; dewatering said fibrous portion;

introducing said acid bath solution and said resinous residue into a cooling line to precipitate said resinous residue; and

removing said precipitated resinous residue from said acid bath solution using a clarifier.

- 19. (Original) The process of claim 18, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within an electronically-controlled single-chamber washer/extractor machine
- 20. (Original) The process of claim 18, wherein the step of inserting the resinous fibrous product within a washer/extractor machine comprises the step of inserting the resinous fibrous product within a multi-chamber washer/extractor machine.

- 21. (Original) The process of claim 18, further comprising the step of drying said fibrous portion in an oven.
- 22. (Original) The process of claim 18, further comprising the step of applying a sizing composition to said fibrous portion prior to the step of removing said fibrous portion from said washer/extractor machine.
- 23. (Original) The process of claim 18, wherein said acid bath solution comprises said acid and a quantity of water in a ratio of between ten and fifty percent acid to water by volume.
  - 24. (Original) The process of claim 23, wherein said acid is phosphoric acid.
- 25. (Original) The process of claim 18 further comprising the step of forming a fibrous mat from said fibrous portion after the step of dewatering said fibrous portion.